

EPOXY COATING SYSTEMS

L42

3 25.3.2014

Coating systems for treating concrete surfaces. Solvent-borne epoxy paint or varnish is used for priming and top coating.
 Treatment systems 64701 and 65601 according to MaalausRYL 2012 (Finnish handbook "MaalausRYL 2012" concerning general quality requirements and treatment systems of paint work).

COATING SYSTEMS

	Code MaalausRYL 2012 System code according to PSK 2703 Pretreatment code according to PSK 2703	L42/M (EP100/2) 65601 – GD1	L42/L (EP100/2) 64701 – GD1
Paint			
TEKNOFLOOR 100F concrete paint		priming	–
TEKNOFLOOR 100F concrete varnish		–	priming
TEKNOFLOOR 100F concrete paint		1 x 60 µm	–
TEKNOFLOOR 100F concrete varnish		–	1 x 60 µm
Total film thickness		60 - 100 µm	60 - 100 µm

USAGE Industrial and car halls as well as dry industrial processing spaces and storages.

SURFACE PREPARATION

Surface preparation method is usually grinding. Detailed instructions can be found in the technical data sheets of the mentioned products.

APPLICATION

The surface to be painted must be clean and dry (the moisture of the concrete must not exceed 97% as relative humidity or 4% by weight). The base of the paint must be mixed until homogenous before use. The base and the hardener are carefully mixed in right proportion given in the table on page 2 and on the label of the paint. Take into consideration the pot life of the mixture when estimating the amount to be mixed at a time.

The technical data of the paints and varnishes are given in the table on page 2 and in the data sheets of the products.

TECHNICAL DATA

Paint	TEKNOFLOOR 100F concrete paint and varnish	
Technical data sheet no.	1252	
Paint type	solvent-borne epoxy reaction paint and varnish	
Mixing ratio - base parts by vol. - hardener parts by vol.	3 1	
Pot life, +23 °C	6 h	
Solids % by volume	paint: abt.48 varnish: abt. 35	
Total mass of solids g/l	paint: abt. 700 varnish: abt. 400	
Volatile organic compound (VOC) g/l	paint: abt. 480 varnish: abt. 560	
Spreading rate m ² /l	5-7	
Drying time - fit for light traffic, +23 °C - overcoatable	after 12 h by itself:	
	+10 °C	+23 °C
min.	after 24 h	after 6 h
max.	after 48 h	after 24 h
Thinner, clean up	TEKNOSOLV 9506	
Colours	Standard colours according to the TEKNOFLOOR Colour Card. The paint is included in the Teknomix tinting system.	
Finish	full gloss	
Methods of application	brush, roller	
Application conditions - min. temperature °C - max. relative humidity %	+10 80	

MAINTENANCE PAINTING

Old coating is cleaned from dirt and grease and sanded matt. Cavities and crevices are filled. Sections where the coating has worn off or detached, are pretreated and primed over again. The floor is coated once according to the instructions in the technical data sheet. Treatment systems 64701 and 65601 according to Maa-lausRYL 2012.